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	Filing Date		2000-12-13	
	First Named Inventor	Guarente, Leonard P.		
	Art Unit	1645		
	Examiner Name	Zeman, Robert A.		
Attorney Docket Number		0050.2156-001		

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1	Lin, S., et al., "Requirement of NAD and SIR2 for Life-Span Extension by Calorie Restriction in <i>Saccharomyces cerevisiae</i> " <i>Science</i> , 289:2126-2128 (Sept. 2000)	<input type="checkbox"/>
2	Liu, L., et al., "p53 Sites Acetylated in vitro by PCAF and p300 are Acetylated in vivo in Response to DNA Damage", <i>Mol. Cell. Biol.</i> , 19:1202-1209 (Feb., 1999)	<input type="checkbox"/>
3	Lo, C.W., "Transformation by Iontophoretic Microinjection of DNA: Multiple Integrations Without Tandem Insertions", <i>Mol. Cell Biol.</i> , 3:1803-1814 (Oct. 1983)	<input type="checkbox"/>
4	Lohrum, M. and K.H. Vousden, "Regulation and Activation of p53 and its Family Members", <i>Cell Death Differ.</i> , 6 (12):1162-1168 (Oct. 1999)	<input type="checkbox"/>
5	Longtine, M.S., et al., "Telomere-Mediated Plasmid Segregation in <i>Saccharomyces cerevisiae</i> Involves Gene Products Required for Transcriptional Repression at Silencers and Telomeres," <i>Genetics</i> , 133:171-182 (Feb. 1993)	<input type="checkbox"/>
6	Lumpkin, C.K., et al., "Existence of High Abundance Antiproliferative mRNA's in Senescent Human Diploid Fibroblasts", <i>Science</i> , 232:393-395 (Apr. 1986)	<input type="checkbox"/>
7	Lundblad, V., et al., "A Mutant With a Defect in Telomere Elongation Leads to Senescence in Yeast," <i>Cell</i> , 57:633-643 (May 1989)	<input type="checkbox"/>
8	Luo, J., et al., "Deacetylation of p53 Modulates its Effect on Cell Growth and Apoptosis," <i>Nature</i> , 408:377-381 (Nov. 2000)	<input type="checkbox"/>
9	Marasco, W.A., et al., "Design, Intracellular Expression, and Activity of a Human Anti-Human Immunodeficiency Virus Type 1 gp120 Single-Chain Antibody", <i>Proc. Natl. Acad. Sci. USA</i> , 90:7889-7893 (Aug. 1993)	<input type="checkbox"/>
10	Marbois, B., et al., "The COQ7 Gene Encodes a Protein in <i>Saccharomyces cerevisiae</i> Necessary for Ubiquinone Biosynthesis", <i>J. Biol. Chem.</i> , 271(6), pp. 2995-3004 (Feb. 1996)	<input type="checkbox"/>
11	Marks, P.A., et al., "Histone Deacetylase Inhibitors: Inducers of Differentiation or Apoptosis of Transformed Cells", <i>J. Nat'l Cancer Inst.</i> , 92(15):1210-1216 (Aug. 2000)	<input type="checkbox"/>

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12	Marshall, M., et al., "Functional Domains of SIR4, a Gene Required for Position Effect Regulation in <i>Saccharomyces cerevisiae</i> ," <i>Molecular and Cellular Biology</i> , 7(12):4441-4452 (Dec. 1987)	<input type="checkbox"/>
13	McAinsh, A.D., et al., "DNA Damage Triggers Disruption of Telomeric Silencing and Mec1p-Dependent Relocation of Sir3p", <i>Curr. Biol.</i> , 9:963-966 (Aug. 1999)	<input type="checkbox"/>
14	McConnell, S.J., et al., "Temperate-sensitive Yeast Mutants Defective in Mitochondrial Inheritance", <i>J. Cell Biol.</i> 111:967-976 (Sep. 1990)	<input type="checkbox"/>
15	Migliaccio, E., et al., "The p66shc Adaptor Protein Controls Oxidative Stress Response and Life Span in Mammals", <i>Nature</i> , 402:309-313 (Nov. 1999)	<input type="checkbox"/>
16	Miura, T. and R. Sato, "Cellular Senescence in Yeast Caused by Carbon-Source Starvation," <i>J. Biochem.</i> , 76 (3):593-601 (1974)	<input type="checkbox"/>
17	Miura, T. and T. Yanagita, "Cellular Senescence in Yeast Caused by Carbon-Source Starvation," <i>J. Biochem.</i> , 72 (1):141-148 (1972)	<input type="checkbox"/>
18	Morgenstern, J.P., et al., "Advanced Mammalian Gene Transfer: High Titre Retroviral Vectors with Multiple Drug Selection Markers and a Complementary Helper-Free Packaging Cell Line", <i>Nucl. Acids Res.</i> , 18:3587-3596 (May 1990)	<input type="checkbox"/>
19	Mortimer, R.K. and J.R. Johnston, "Life Span of Individual Yeast Cells", <i>Nature</i> , 183:1751-1752 (1959)	<input type="checkbox"/>
20	Muller, I. and F. Wolf, "A Correlation Between Shortened Life Span and UV-Sensitivity in Some Strain of <i>Saccharomyces cerevisiae</i> ", <i>Mol. Gen. Genet.</i> , 160:231-234 (1978)	<input type="checkbox"/>
21	Muller, I., "Experiments on Ageing in Single Cells of <i>Saccharomyces cerevisiae</i> ", <i>Arch. Mikrobiol.</i> , 77:20-25 (Dec. 1971)	<input type="checkbox"/>
22	Muller, I., "Parental age and the life-span of zygotes of <i>Saccharomyces cerevisiae</i> ", <i>Antonie van Leeuwenhoek</i> , 51:1-10 (1985)	<input type="checkbox"/>

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23	Muller, I., et al., "Calendar Life Span Versus Budding Life Span of <i>Saccharomyces cerevisiae</i> ," Mechanisms of Aging and Development, 12(1):47-52 (1980)	<input type="checkbox"/>
24	Nakamura, S., et al., "Multiple lysine mutations in the C-terminal domain of p53 interfere with MDM2-dependent protein degradation and ubiquitination", Mol. Cell. Biol., 20:9391-9398 (Dec. 2000)	<input type="checkbox"/>
25	Norwood, T.H., et al., "Dominance of the Senescent Phenotype in Heterokaryons Between Replicative and Post-Replicative Human Fibroblast-Like Cells", Proc. Natl. Acad. Sci. USA, 71:2231-2235 (June 1974)	<input type="checkbox"/>
26	Oda, K., et al., "p53AIP1, a Potential Mediator of p53-Dependent Apoptosis, and its Regulation by Ser-46-Phosphorylated p53", Cell, 102(6), pp. 849-862 (Sep. 2000)	<input type="checkbox"/>
27	Oda, E., et al., "Noxa, a BH3-Only Member of the Bcl-2 Family and Candidate Mediator of p53-Induced Apoptosis", Science, 288(5468):1053-1058 (May 2000)	<input type="checkbox"/>
28	Okamoto, K. and D. Beach, "Cyclin G is a Transcriptional Target of the p53 Tumor Suppressor Protein", EMBO J., 13:4816-4822 (1994)	<input type="checkbox"/>
29	Olovnikov, A.M., "A Theory of Marginitomy: The Incomplete Copying of Template Margin in Enzymic Synthesis of Polynucleotides and Biological Significance of the Phenomenon", J. Theor. Biol. 41:181-190 (1973)	<input type="checkbox"/>
30	Oren, M., "Regulation of the p53 Tumor Suppressor Protein", J. Biol. Chem., 274:36031-36034 (Dec. 1999)	<input type="checkbox"/>
31	Orgel, L.E., "Ageing of Clones of Mammalian Cells", Nature, 243:441-445 (June 1973)	<input type="checkbox"/>
32	Pabo, C.O., "Transcription Factors: Structural Families and Principles of DNA Recognition," Annu. Rev. Biochem., 61:1053-1075 (1992) (month not available)	<input type="checkbox"/>
33	Pearson et al., "PML regulates p53 acetylation and premature senescence induced by oncogenic Ras", Nature, 2000, vol. 406, pp. 207-210	<input type="checkbox"/>

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34	Pelissier, P., et al., "NCA3, a Nuclear Gene Involved in the Mitochondrial Expression of Subunits 6 and 8 of the Fo-F1 ATP Synthase of <i>S. cerevisiae</i> ", <i>Curr. Genet.</i> 27:409-416 (1995)	<input type="checkbox"/>
35	Pereira-Smith, O.M. and J.R. Smith, "Genetic Analysis of Indefinite Division in Human cells: Identification of Four Complementation Groups", <i>Proc. Natl. Acad. Sci. USA</i> 85:604-60462 (Aug. 1988)	<input type="checkbox"/>
36	Pohley, H., "A formal Mortality Analysis for Populations of Unicellular Organisms (<i>Saccharomyces cerevisiae</i>)", <i>Mechanisms of Ageing and Development</i> , 38:231-243 (1987)	<input type="checkbox"/>
37	Pomerantz, J., et al., "The Ink4a Tumor Suppressor Gene Product, p19Arf, Interacts with MDM2 and Neutralizes MDM2's Inhibition of p53", <i>Cell</i> , 92(6), pp. 713-723 (Mar. 1998)	<input type="checkbox"/>
38	Pringle, J.R., et al., "Fluorescence Microscopy Methods for Yeast", <i>Methods in Cell Biology</i> , 31:357-435 (1989)	<input type="checkbox"/>
39	Proft, M., et al., "CAT5, a New Gene Necessary for Derepression of Gluconeogenic Enzymes in <i>Saccharomyces cerevisiae</i> ", <i>EMBO J.</i> , 14(24):6116-6126 (1995)	<input type="checkbox"/>
40	Rodriguez, M.S., et al., "Multiple C-Terminal Lysine Residues Target p53 for Ubiquitin-Proteasome-Mediated Degradation", <i>Mol. Cell. Biol.</i> , 20:8458-8467 (Nov. 2000)	<input type="checkbox"/>
41	Rogina, B., et al., "Drosophila Drop-Dead Mutations Accelerate the Time Course of Age-Related Markers", <i>Proc. Natl. Acad. Sci. USA</i> , 94:6303-6306 (June 1997)	<input type="checkbox"/>
42	Sainsard-Chanet, A. and O. Begel, "Transformation of Yeast and Podospora: Innocuity of Senescence-Specific DNAs," <i>Mol Gen Genet.</i> , 204:443-451 (1986)	<input type="checkbox"/>
43	Sakaguchi, K., et al., "DNA Damage Activates p53 Through a Phosphorylation-Acetylation Cascade", <i>Genes Dev.</i> , 12:2831-2841 (Jul. 1998)	<input type="checkbox"/>
44	Schnell, R., et al., "Genetic and Molecular Characterizations of Suppressors of SIR4 Mutations in <i>Saccharomyces cerevisiae</i> ," <i>Genetics</i> , 122:29-46 (May 1989)	<input type="checkbox"/>

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45	Scott, J.K. and G.P. Smith, "Searching for Peptide Ligands with an Epitope Library", Science, 249:386-390 (June 1990)	<input type="checkbox"/>
46	Seeler, J.S. and A. Dejean, "The PML Nuclear Bodies: Actors or Extras?," Curr. Opin. Genet. Dev., 9(3):362-367 (June 1999)	<input type="checkbox"/>
47	Serrano, M., et al., "Oncogenic ras Provokes Premature Cell Senescence Associated with Accumulation of p53 and p16INK4a", Cell, 88(5):593-602 (Mar. 1997)	<input type="checkbox"/>
48	Shieh, S., et al., "DNA Damage-Induced Phosphorylation of p53 Alleviates Inhibition MDM2", Cell, 91:325-334 (Oct. 1997)	<input type="checkbox"/>
49	Shieh, S., et al., "The Human Homologs of Checkpoint Kinases Chk1 and Cds1(Chk2) Phosphorylate p53 at Multiple DNA Damage-Inducible Sites", Genes Dev., 14:289-300 (2000)	<input type="checkbox"/>
50	Shore D., "The Sir2 protein family: A novel deacetylase for gene silencing and more", Proc. Natl. Acad. Sci. USA, 2000, vol. 97, pp. 14030-14032	<input type="checkbox"/>

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